

MR1683-380

to inside, each of adjoining sections of the two lateral faces and the bottom face being formed with a dented section, the dented sections dividing the two lateral faces and the bottom face of each receptacle to form multiple resilient plates, whereby the magnetic material is tightly fitted between the resilient plates, only three resilient plates abut against the magnetic material, the respective dented section serve as ventilation passage, and a portion of the magnetic material at the opening is directly exposed to the air such that the heat generated by the magnetic material can be quickly taken away by the flowing air.

MR1683-380

MARK-UP COPY OF THE AMENDED CLAIMS

1. (amended) A magnetic material fixing structure of motor rotor, comprising ~~multiple overlapping~~ at least one silicon steel ~~plates~~ plate, an outer circumference of ~~each~~ the silicon steel plate being recessed to form multiple receptacles at equal intervals, a magnetic material being disposed in each receptacles, each receptacle and the silicon steel plate defining two lateral faces, a bottom face and an opening opposite to the bottom face, the opening of the receptacle being slightly smaller than an internal width of the receptacle and the two lateral faces being slopes gradually diverging from outer side to inside, each of adjoining sections of the two lateral faces and the bottom face being formed with a dented section, the dented sections dividing the two lateral faces and the bottom face of each receptacle to form multiple resilient plates, whereby the magnetic material is tightly fitted between the resilient plates, only three resilient plates abut against the magnetic material, the respective dented section serve as ventilation passage, and a portion of the magnetic material at the opening is directly exposed to the air such that the heat generated by the magnetic material can be quickly taken away by the flowing air.